What is claim d is:

1. A method to reduce the total inter-document zone (IDZ) region comprising:

a) shifting said zone in accordance with asymmetric timing of start and stop times of processes that must occur during this time;

b) shifting images forward outside of their normally synchronized position, in multi-pitch intermediate multi-pass systems where more severe constraints for IDZ exist are for the beginning vs end of transfer, e.g., where the transfer start requires a larger time than transfer stop;

c) using similarly asymmetric IDZ zones and varying their arrangement to precess each successive document; and

d) determining the minimum IDZ necessary given the need for larger IDZ for transfer start or other specific IDZ process and the need to provide synchronous images on successive passes within each document.

2. A method as in **claim 1** where the placement of short IDZ's in sequence at locations occurring after each transfer.

3. A method as in **claim 1** wherein a next image precesses forward but not in synchronicity with the previous image.